



## Mapping Justice Module Instructor Guide

### Learning Objectives:

- Learn basic mapping practices using different tools
- Identify how environmental justice can be explored through mapping
- Consider EJ case studies from around the world, and more locally
- Develop a working understanding of EJ Atlas and/or EJ Screen

*The module is divided into 3 sections following the introductory material: EJ Atlas/EJ Screen/Beyond the Module*

**Key Resources:** [EJAtlas](#)/[EJScreen](#)

### Activities Included:

- 1) Slide 7: Read & Discuss – [“Mapping ecological distribution conflicts: The EJAtlas”](#)
  - a) Separate students into 10 groups where each group reads one section
    - i) Each group summarizes their section for the class
- 2) Slide 8: Read & Discuss – [Charles Lee: Environmental Justice Leader Uses Maps to Reveal Injustices](#)
  - a) Students read the short article and discuss the questions (on the slide) with a partner
- 3) Slide 13: Explore & Discuss – [EJ Atlas](#)
  - a) Students spend 15 minutes exploring the online resource & answer the guiding questions
- 4) Slide 14: Choose & Present – [EJ Atlas](#)
  - a) Students split up into groups of 3 pick a country to take a deeper dive into
    - i) Spend 20 minutes to take a more detailed look at the case studies that pop up, and see what trends you find across the country
    - ii) To divide by country, click on 'Featured Maps', and 'Country Maps'.
  - b) With your group of 3, share out on your findings to the rest of the class
    - i) Share at least one case study, and then discuss the trends
- 5) Slide 14: Choose & Dyad – [EJ Atlas](#)
  - a) Choose a case study of interest you from around the world
    - i) under 'Sources and Materials'
  - b) Spend 10 minutes looking through it, looking at news stories from it
- 6) Slide 20: Explore & Discuss – [EJScreen](#) ~ [Environmental Justice in the Narragansett Bay Region](#)



- a) Under 'Methods', take a look at how the authors of this article sourced data from EJScreen
- 7) Slide 22-25: Explore & Discuss – [EJScreen](#) ~ [Environmental Justice in the Narragansett Bay Region](#)
  - a) Total of 3 groups
    - i) One group per location
  - b) Answer questions on following slide

## References

- Bordne, Margot, Clinton, Johnson. “Charles Lee: Environmental Justice Leader Uses Maps to Reveal Injustices”. Esri blog. 2021.  
<https://www.esri.com/about/newsroom/blog/charles-lee-environmental-justice-leader/>
- "Delhi - Urban Air Pollution" by jenspie3 is licensed under CC BY 2.0. “Environmental Justice Timeline.” EPA. Accessed August 12, 2023.  
<https://www.epa.gov/environmentaljustice/environmental-justice-timeline>.
- “Mapping Ecological Distribution Conflicts: The Ejatlas.” The Extractive Industries and Society, February 23, 2021.  
<https://www.sciencedirect.com/science/article/pii/S2214790X21000289>.
- “Envjustice.” EJAtlas. Accessed August 12, 2023. <http://www.envjustice.org/ejatlas/>. Ejolt.
- “Ejatlas: Mapping Environmental Justice.” Environmental Justice Atlas. Accessed August 12, 2023. <https://ejatlas.org/>.
- "Talking to womens groups about Menstrual Cups" by Sustainable sanitation is licensed under CC BY 2.0. “What Is EJScreen?” EPA. Accessed August 12, 2023.  
<https://www.epa.gov/ejscreen/what-ejscreen>. Person.
- “Environmental Justice in the Narragansett Bay Region.” ArcGIS StoryMaps, September 14, 2021. <https://storymaps.arcgis.com/stories/61682f2963364fbbbc832c53a7cc7d09>.
- “EPA’s Environmental Justice Screening and Mapping Tool.” EPA. Accessed August 12, 2023.  
<https://ejscreen.epa.gov/mapper/>. Mullen, Haley, Kyle Whyte, and Ryan Holifield.
- “Indigenous Peoples and the Justice40 Screening Tool: Lessons from EJSCREEN.” Environmental Justice, 2023. <https://doi.org/10.1089/env.2022.0045>.
- "2011 Student Research Fellows" by NWABR is licensed under CC BY 2.0.



"Nature" by \_elvin is licensed under CC BY-SA 2.0. "For Educators." The All We Can Save Project.  
Accessed August 17, 2023. <https://www.allwecansave.earth/for-educators>.

"Tracking Drought" by U.S. Geological Survey is marked with Public Domain Mark 1.0.